Test Report
Field Density Test by Sand Replacement Method

Project Name	Improvements of roads for layout where the Cauvery and UGD works are in progress in Ward No.05 and Ward No.06 Byatarayanapura Sub Division
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-7/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R. Satheesh
Test Method	IS: 2720 (Part - 16) 1963 & Specification for Road & Bridge Works,
Location	bay
Material	Wet Mix Macadam
Sample No	17
Date	3-Apr-2018

Test Hole No	17
MDD	2.24
OMC in %	3.2
Bulk Density Ys	1.392
Weight of Sand In cone W1 (gm)	1195
Weight Of Wet soil From Hole (W2)	4325
Wt Of Sand +Cylinder Before Pouring (W3)gm	17000
Wt Of Sand +Cylinder After Pouring (W4) gm	13178
Wt Of Sand In Hole: W5 = W3 - W4- W1 (gm)	2627
Volume of Hole: V= W5/ Ys	1887.21
Bulk Density Yb= W2/V (gm/cc)	2.29
Moisture Meter Reading (%)	1.56
Moisture Content : w (From Graph In %)	3.27
Dry Density Yd = Yb/(1+W/100)	2.21917268
Field Compaction(%)	99.07020894

Note:

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Mecadez Core Technologies Pvt Ltd

Authorised Signature

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

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Field Density Test by Sand Replacement Method

Project Name	Improvements of roads for layout where the Cauvery and UGD works are in progress in Ward No.05 and Ward No.06 Byatarayanapura Sub Division
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-7/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R. Satheesh
Test Method	IS: 2720 (Part - 16) 1963 & Specification for Road & Bridge Works,
Location	bay
Material	Wet Mix Macadam
Sample No	18
Date	3-Apr-2018

Test Hole No	18
MDD	2.24
OMC in %	3.20
Bulk Density Ys	1.39
Weight of Sand In cone W1 (gm)	1195.00
Weight Of Wet soil From Hole (W2)	4325.00
Wt Of Sand +Cylinder Before Pouring (W3)gm	17000.00
Wt Of Sand +Cylinder After Pouring (W4) gm	13175.00
Wt Of Sand In Hole: W5 = W3 - W4- W1 (gm)	2630.00
Volume of Hole: V= W5/ Ys	1889.37
Bulk Density Yb= W2/V (gm/cc)	2.29
Moisture Meter Reading (%)	1.59
Moisture Content : w (From Graph In %)	3.20
Dry Density Yd = Yb/(1+W/100)	2.22
Field Compaction(%)	99.02

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Field Density Test by Sand Replacement Method

Project Name	Improvements of roads for layout where the Cauvery and UGD works are in progress in Ward No.05 and Ward No.06 Byatarayanapura Sub Division
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-7/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R. Satheesh
Test Method	IS: 2720 (Part - 16) 1963 & Specification for Road & Bridge Works,
Location	bay
Material	Wet Mix Macadam
Sample No	19
Date	3-Apr-2018

Test Hole No	**19**
MDD	2.24
OMC in %	3.20
Bulk Density Ys	1.39
Weight of Sand In cone W1 (gm)	1195.00
Weight Of Wet soil From Hole (W2)	4432.00
Wt Of Sand +Cylinder Before Pouring (W3)gm	17000.00
Wt Of Sand +Cylinder After Pouring (W4) gm	13112.00
Wt Of Sand In Hole: W5 = W3 - W4- W1 (gm)	2693.00
Volume of Hole: V= W5/ Ys	1934.63
Bulk Density Yb= W2/V (gm/cc)	2.29
Moisture Meter Reading (%)	1.55
Moisture Content : w (From Graph In %)	3.31
Dry Density Yd = Yb/(1+W/100)	2.22
Field Compaction(%)	98.99

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Test Report

Field Density Test by Sand Replacement Method

Project Name	Improvements of roads for layout where the Cauvery and UGD works are in progress in Ward No.05 and Ward No.06 Byatarayanapura Sub Division
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-7/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R. Satheesh
Test Method	IS: 2720 (Part - 16) 1963 & Specification for Road & Bridge Works,
Location	bay
Material	Wet Mix Macadam
Sample No	20
Date	3-Apr-2018

Test Hole No	20
MDD	2.24
OMC in %	3.20
Bulk Density Ys	1.39
Weight of Sand In cone W1 (gm)	1195.00
Weight Of Wet soil From Hole (W2)	4436.00
Wt Of Sand +Cylinder Before Pouring (W3)gm	17000.00
Wt Of Sand +Cylinder After Pouring (W4) gm	13114.00
Wt Of Sand In Hole: W5 = W3 - W4- W1 (gm)	2691.00
Volume of Hole: V= W5/ Ys	1933.19
Bulk Density Yb= W2/V (gm/cc)	2.29
Moisture Meter Reading (%)	1.53
Moisture Content : w (From Graph In %)	3.52
Dry Density Yd = Yb/(1+W/100)	2.22
Field Compaction(%)	98.96

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Project Name	Improvements of roads for layout where the Cauvery and UGD works are in progress in Ward No.05 and Ward No.06 Byatarayanapura Sub Division
Client	Executive Engineer Project Yellahanka Division
Job No	MCTPL/BBMP/Project Division Yelahanka ZONE /P-7/1/2017-2018
Mix Type	Wet Mix Macadam
Contractor	Sri. R. Satheesh
Test Method	IS: 2720 (Part - 16) 1963 & Specification for Road & Bridge Works,
Location	bay
Material	Wet Mix Macadam
Sample No	21
Date	3-Apr-2018

Test Hole No	21
MDD	2.24
OMC in %	3.20
Bulk Density Ys	1.39
Weight of Sand In cone W1 (gm)	1195.00
Weight Of Wet soil From Hole (W2)	4329.00
Wt Of Sand +Cylinder Before Pouring (W3)gm	17000.00
Wt Of Sand +Cylinder After Pouring (W4) gm	13173.00
Wt Of Sand In Hole: W5 = W3 - W4- W1 (gm)	2632.00
Volume of Hole: V= W5/ Ys	1890.80
Bulk Density Yb= W2/V (gm/cc)	2.29
Moisture Meter Reading (%)	1.58
Moisture Content : w (From Graph In %)	3.28
Dry Density Yd = Yb/(1+W/100)	2.22
Field Compaction(%)	98.96

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